#### PRELIMINARY AMENDMENT

National Stage Entry of PCT/JP03/08785

Attorney Docket No.: Q85706

# **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

### **LISTING OF CLAIMS:**

1. (original): A galactosamine derivative represented by the following formula (1):

$$R_{10}$$
 $OR_{2}$ 
 $OR_{2}$ 
 $OR_{3}$ 
 $OR_{4}$ 
 $OR_{4}$ 
 $OR_{5}$ 
 $OR_{2}$ 
 $OR_{4}$ 
 $OR_{5}$ 
 $OR_{4}$ 
 $OR_{5}$ 
 $OR_{5}$ 
 $OR_{6}$ 
 $OR_{7}$ 
 $OR_{10}$ 
 $OR_{10}$ 

wherein  $R_1$ ,  $R_2$  and  $R_5$  each independently represents  $SO_3^-$  or H, and at least one of them represents  $SO_3^-$ ;

R<sub>3</sub> represents H, acetyl or SO<sub>3</sub>;

R<sub>4</sub> represents H, a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted alkynyl group, a substituted or unsubstituted acyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted aralkyl group;

X represents O, S, NH or CH<sub>2</sub>; and

represents an  $\alpha$  bond or a  $\beta$  bond.

## PRELIMINARY AMENDMENT

National Stage Entry of PCT/JP03/08785

Attorney Docket No.: Q85706

2. (original): The galactosamine derivative according to claim 1, wherein  $R_1$  and  $R_2$  each is H;  $R_3$  is an acetyl group;  $R_4$  is a substituted or unsubstituted aryl group; and  $R_5$  is  $SO_3$ .

- 3. (original): The galactosamine derivative according to claim 1, wherein  $R_1$  is  $SO_3^-$ ;  $R_2$  and  $R_5$  each is H;  $R_3$  is an acetyl group; and  $R_4$  is a substituted or unsubstituted aryl group.
- 4. (original): The galactosamine derivative according to claim 1, wherein R<sub>1</sub> and R<sub>5</sub> each is H; R<sub>2</sub> is SO<sub>3</sub><sup>-</sup>; R<sub>3</sub> is an acetyl group; and R<sub>4</sub> is a substituted or unsubstituted aryl group.
- 5. (currently amended): A sulfotransferase inhibitor which comprises the galactosamine derivative according to any one of claims 1 to 4 claim 1.
- 6. (original): The sulfotransferase inhibitor according to claim 5, which inhibits activity of a sulfotransferase having activity of transferring a sulfate group to a hydroxyl group bound to the 6-position carbon atom on the 4-sulfated galactosamine residue in the basic backbone of chondroitin sulfate.
- 7. (currently amended): A method for inhibiting activity of a sulfotransferase, which comprises allowing the galactosamine derivative according to any one of claims 1 to 4 claim 1 to be present in an enzyme reaction system of the sulfotransferase.
  - 8. (canceled).
  - 9. (canceled).

### PRELIMINARY AMENDMENT

National Stage Entry of PCT/JP03/08785

Attorney Docket No.: Q85706

10. (currently amended): A medicament based on inhibition of sulfotransferase activity, which comprises the galactosamine derivative according to any one of claims 1 to 4 claim 1 as an active ingredient.

- 11. (currently amended): A medicament for treating or preventing diseases caused by acceleration of sulfotransferase activity, which comprises the galactosamine derivative according to any one of claims 1 to 4 claim 1 as an active ingredient.
- 12. (new): A method for treating or preventing diseases caused by acceleration of sulfotransfererase activity, which comprises administering to a subject in need thereof an effective amount of the glactosamine derivative according to claim 1.